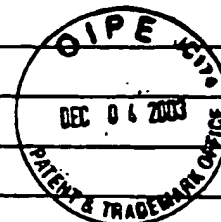


INFORMATION DISCLOSURE CITATION

Atty. Docket No. 5273-90	Serial No. 10/647,234
Applicant Koichiro YAMADA et al.	
Filing Date August 26, 20003	Group: Not yet assigned



U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
✓	EP 0722936	24 July 1996	Europe	/	/	
	AU 199955977 A1	4 May 2000	Australia	/	/	
✓	DE 2064 096	6 July 1972	Germany	/	/	Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

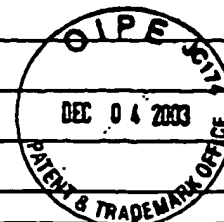
✓	Vermulapalli, S., et al., "Sildenafil relaxes rabbit clitoral corpus cavernosum," Life Sciences, Vol. 67, pp. 23-29 (2000).
	Watkins, C., et al., "Insulin restores neuronal nitric oxide synthase expression and function that is lost in diabetic gastropathy," The Journal of Clinical Investigation, Vol. 106, No. 3, pp. 373-384 (2000).
	Bortolotti, M., et al., "Effects of Sildenafil on Esophageal Motility of Patients with Idiopathic Achalasia," Gastroenterology, Vol. 118, pp. 253-257 (2000).
	Mule F., et al., "Tonic Inhibitory action by nitric oxide on spontaneous mechanical activity in rat proximal colon: involvement of cyclic GMP and apamin-sensitive K ⁺ channels," British Journal of Pharmacology, Vol. 127, pp. 514-520 (1999).
	Turner, N., et al., "Pulmonary effects of type V cyclic GMP specific phosphodiesterase inhibition in the anesthetized guinea-pig," British Journal of Pharmacology, Vol. 111, pp. 1198-1204 (1994).
	Bakre M., et al., "Expression and Regulation of the cGMP-Binding, cGMP-Specific Phosphodiesterase (PDE5) in Colonic Epithelial Cells: Role in the Induction of Cellular Refractoriness to the Heat-Stable Enterotoxin Peptide," Journal of Cellular Biochemistry, Vol. 77, pp. 159-167 (2000).
	Boolell, M., et al., "A new oral treatment for erectile dysfunction. A Double-blind, placebo controlled crossover study demonstrating dose response with rigiscan and efficacy with outpatient diary," The Journal of Urology, Supplement, Vol. 155, No. 5, p. 495A 739 (1996).

Don McGe

9/1/05

INFORMATION DISCLOSURE CITATION

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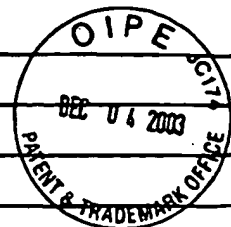
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Terrett, N., et al., "Sildenafil (Viagra™), a potent and selective inhibitor of type 5 CGMP phosphodiesterase with utility for the treatment of male erectile dysfunction," Bioorganic & Medicinal Chemistry Letters, Vol. 6, No. 15, pp. 1819-1824 (1996).
	Ballard, S., et al., "Sildenafil, a potent selective inhibitor of type 5 phosphodiesterase, enhances nitric oxide-dependent relaxation of rabbit corpus cavernosum," British Journal of Pharmacology, Proceedings Supplement, Vol. 118, 153P (1996).
	Goldstein, I., et al., "Oral sildenafil in the treatment of erectile dysfunction," The New England Journal of Medicine, Vol. 338, No. 20, p. 1397-1404 (1998).
	Goldenberg, M., "Safety and Efficacy of Sildenafil Citrate in the Treatment of Male Erectile Dysfunction," Clinical Therapeutics, Vol. 20, No. 6, pp. 1033-1048 (1998).
	Morales, A., et al., "Clinical safety of oral sildenafil citrate (VIAGRA™) in the treatment of erectile dysfunction," International Journal of Impotence Research, Vol. 10, No. 2, pp. 69-73 (1998).
	Estrade, M., et al., "Effect of a cGMP-specific phosphodiesterase inhibitor on retinal function," European Journal of Pharmacology, Vol. 352, pp. 157-163 (1998).
	Todd, C., et al., "Sulfilimines Derived from Sulfanilamide," Journal of American Chemical Society, Vol. 65, pp. 350-355 (1943).
	Grohe, K., et al., "Synthese und Reaktionen von 2,4-Dichlorpyrimidin-5-carbon-saureestern," Liebigs Ann. Chem., pp. 1025-1035 (1973).

Examiner	Date Considered 9/1/05
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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INFORMATION DISCLOSURE CITATION



Atty. Docket No.	5273-90	Serial No.	10/647,234
Applicant	Koichiro YAMADA et al.		
Filing Date	August 26, 20003	Group:	Not yet assigned

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriat
J	5,716,993	10 Feb 1998	Ozaki et al.	514	619	
	5,525,604	11 June 1996	Lee et al.	514	256	
	4,959,368	25 Sep 1990	Awaya et al.	514	252	
	4,704,459	3 Nov 1987	Todo et al.	546	123	
	4,464,457	7 Aug 1984	Bosse et al.	430	288	
	3,670,077	13 June 1972	Freeman et al.	424	200	
	3,560,624	2 Feb 1971	Rogers et al.	424	310	

FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or N
J	JP 2000-26294	25 Jan 2000	Japan			Abstract
	JP 2000-72751	7 March 2000	Japan			Abstract
	JP 54-081299	28 June 1979	Japan			Abstract
	JP 50-95273	29 July 1975	Japan			Abstract
	WO 00/76980 A1	21 Dec 2000	WIPO			
	WO 98/23597	4 June 1998	WIPO			
	WO 96/22991	1 Aug 1996	WIPO			
	WO 94/28902	22 Dec 1994	WIPO			
	EP 0 995 750 A1	26 April 2000	Europe			
	EP 0 668 280 A1	23 Aug 1995	Europe			
✓	EP 0 459 819 B1	4 Dec 1991	Europe			

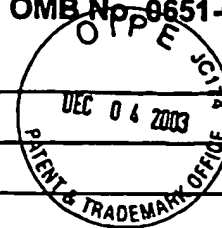
Don McKee

9/1/05

INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

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Applicant Koichiro YAMADA et al.	
Filing Date August 26, 20003	Group: Not yet assigned



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

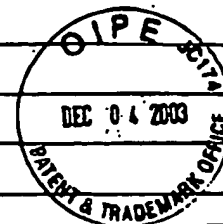
	Chan, R., et al., "The Chemistry of an Electron-Deficient 5-Deazaflavin,8-Cyano-10-methyl-5-dezaialloxazine," Journal of the American Chemical Society, Vol. 99, No. 20, pp. 6721-6730 (1977).
	Hirai, K., et al., "Heterocyclic Cation Systems ...," J. Org. Chem., Vol. 45, pp. 253-260 (1980).
	Kim, D., et al., "Synthesis of New Pyrrolidine C-Nucleosides via Staudeinger-aza-Wittig Cyclization of y-Azido Ketone," Tetrahedron Letters, 40, pp. 4825-4828 (1999).
	Mertes, M., et al., "Aproaches to the Synthesis of 1-Deazauridine and 2'-Deoxy-1-deazauridine ," J. Med. Chem., Vol. 10, pp. 320-325 (1967).
	van Aardt, T., et al., "Direct Synthesis of Pterocarpans via Aldol Condensation of Phenylacetates with Benzaldehydes," Tetrahedron 55, pp. 11773-11786 (1999).
	Yurugi, S., et al., "Studies on the Syntheses of N-Heterocyclic Compounds," Ann. Rept. Takeda Res. Lab., Vol. 28, pp. 1-11 (1969).

Examiner	Date Considered 8/11/05
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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INFORMATION DISCLOSURE CITATION

Atty. Docket No.	5273-90	Appln. No.	10/647,234
Applicant	Koichiro YAMADA et al.		
Filing Date	August 26, 2003	Group:	Not yet assigned



U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
J	6,136,810	24 Oct 2000	Takayama et al.	514	258	
	5,817,670	6 Oct 1998	Takayama et al.	514	300	
	5,733,914	31 Mar 1998	Blankley et al.	514	258	
	5,693,652	2 Dec 1997	Takase et al.	514	322	
	5,466,692	14 Nov 1995	Ellingboe	514	258	
	4,229,456	21 Oct 1980	Bolhofer et al.	424	256	
	4,060,615	29 Nov 1977	Matier et al.	424	251	

FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
WO 96/16644	6 June 1996	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

J	Bolhofer, W., et al., "Inhibition of Gastric Acid Secretion by 1,8-Naphthyridin-2(1H)-ones," J. of Med. Chem., Vol. 22, No. 3, pp. 301-306 (1979).

Examiner	Don McKee	Date Considered	9/1/05
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/647,234
Filing Date	08/26/03
First Named Inventor	Koichiro Yamada
Art Unit	1624
Examiner Name	Thomas C. McKenzie
Attorney Docket Number	5273-90

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
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		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 98/33798	08/06/98	Warner Lambert Company		
		WO 99/09030	02/25/99	Warner-Lambert Company		
		WO 01/55148 A1	08/02/01	Warner-Lambert Company		
		WO 01/70741 A1	09/27/01	Warner-Lambert Company		
		WO 03/062236 A1	07/31/03	Warner-Lambert Company		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		P. L. Ferrarini et al., "Synthesis and antiplatelet activity of some 1,8-naphthyridine derivatives," Eur J Med Chem (1994) 29, 735-741	

Examiner Signature	<i>Don Mc</i>	Date Considered	9/1/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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